



IMPROPER INSTALLATION OR ATTACHMENT OF EQUIPMENT OR ACCESSORIES COULD RESULT IN ELECTRIC SHOCK, SHORT-CIRCUIT, LEAKS, FIRE OR OTHER DAMAGE TO THE EQUIPMENT. BE SURE ONLY TO USE ACCESSORIES MADE BY PANASONIC WHICH ARE SPECIFICALLY DESIGNED FOR USE WITH THE EQUIPMENT AND HAVE THEM INSTALLED BY A PROFESSIONAL.

IF UNSURE OF INSTALLATION PROCEDURES OR USE, ALWAYS CONTACT YOUR PANASONIC DEALER FOR ADVICE AND INFORMATION.

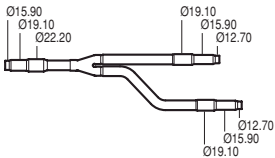
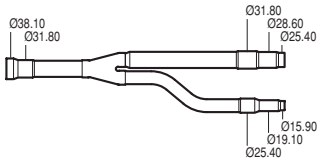
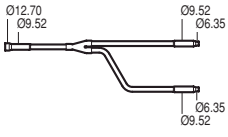
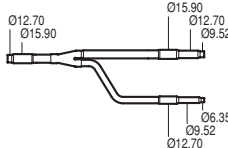
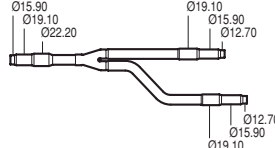
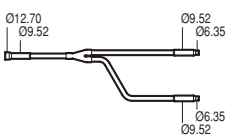
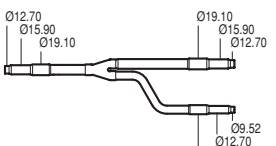
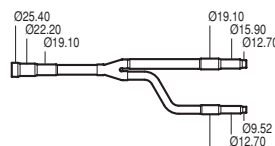
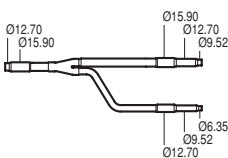
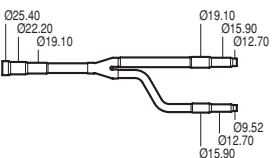
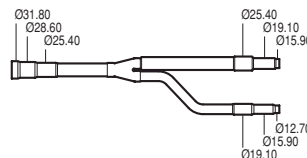
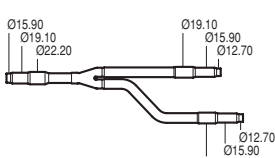
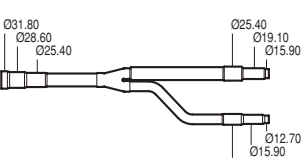
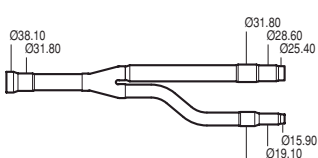
## THIS KIT INCLUDES THE FOLLOWING PARTS

model	liquid branch	discharge gas branch	suction gas branch	heat insulation material	reducer/expander pipe
CZ-P20BK12Q	✓	—	✓	2 sets	2 pipes
CZ-P20BK12QA	✓	—	✓	2 sets	4 pipes
CZ-P29BK12Q	✓	—	✓	2 sets	4 pipes
CZ-P64BK12Q	✓	—	✓	2 sets	6 pipes
CZ-P75BK12Q	✓	—	✓	2 sets	7 pipes
CZ-P20BK32Q	✓	✓	✓	3 sets	2 pipes
CZ-P29BK32Q	✓	✓	✓	3 sets	4 pipes
CZ-P64BK32Q	✓	✓	✓	3 sets	8 pipes
CZ-P75BK32Q	✓	✓	✓	3 sets	13 pipes

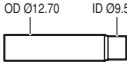
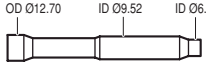
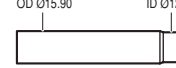
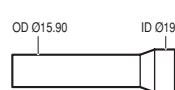
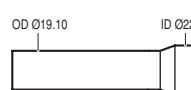

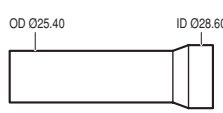
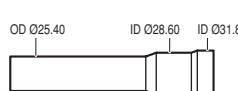
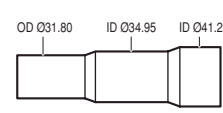
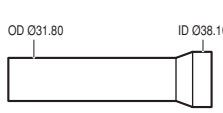
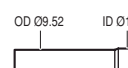
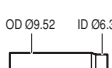
## DIMENSIONS OF THE PIPING

### Branch dimensions

	liquid branch	discharge gas branch	suction gas branch
CZ-P20BK12Q CZ-P20BK12QA		—	
	—	—	12Q reducer or expander pipe 1, 3 12QA reducer or expander pipe 12, 2x1, 3
CZ-P29BK12Q		—	
	reducer or expander pipe 11	—	reducer or expander pipe 6, 2x 7
CZ-P64BK12Q		—	
	reducer or expander pipe 2x 4	—	reducer or expander pipe 6, 5, 7, 8

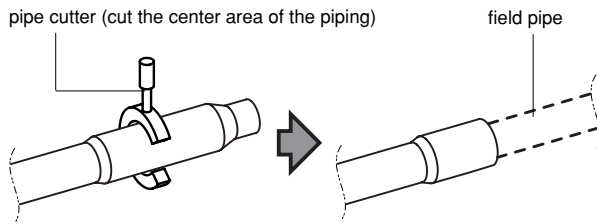
	liquid branch	discharge gas branch	suction gas branch
CZ-P75BK12Q		—	
	reducer or expander pipe 2	—	reducer or expander pipe 3, 5, 8, 2x 9, 10
CZ-P20BK32Q			
	—	—	reducer or expander pipe 1, 3
CZ-P29BK32Q			
	reducer or expander pipe 11	—	reducer or expander pipe 6, 2x 7
CZ-P64BK32Q			
	reducer or expander pipe 2x 4	reducer or expander pipe 4, 6, 2x 7	reducer or expander pipe 5, 8
CZ-P75BK32Q			
	reducer or expander pipe 2	reducer or expander pipe 1, 5, 6, 7, 8, 9	reducer or expander pipe 3, 5, 8, 2x 9, 10

## Reducer/expander pipe dimensions

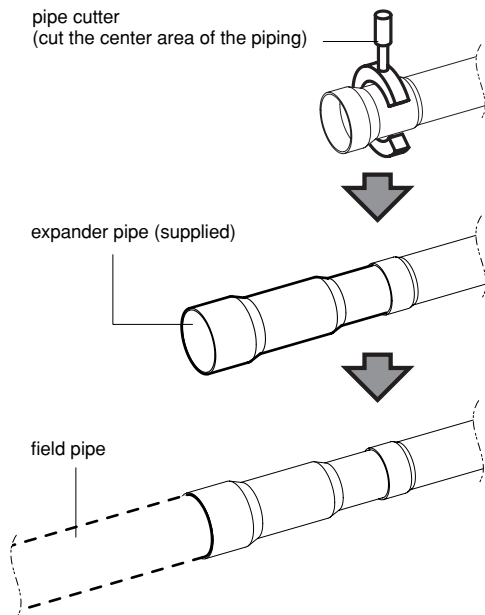
1		2		3	
4		5		6	
7		8		9	
10		11		12	

## INSTALLATION PROCEDURE

Use a pipe cutter to cut off the pipe at a position where the size of the pipe fits the size of the connecting pipe selected according to the pipe selection procedure.



Use the supplied reducer/expander pipes when necessary



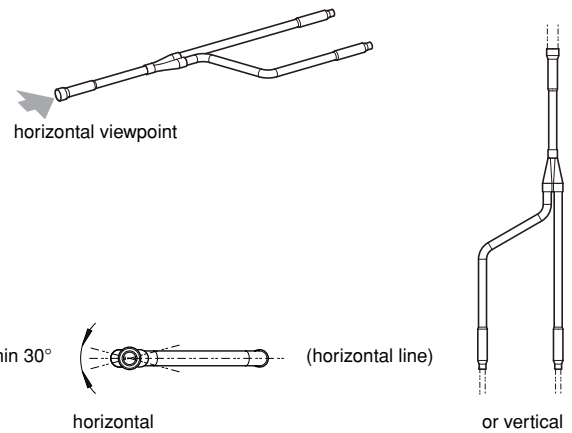
## INSTALLATION PRECAUTIONS



Make sure to flow nitrogen gas through the pipe when brazing.

### Installation orientation

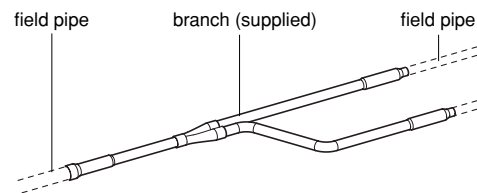
Install the branches so that they are oriented vertically or horizontally.



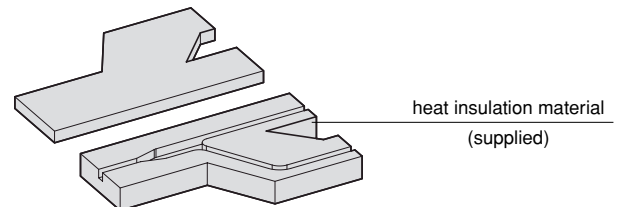
### Heat insulation

Be sure to insulate the branches against heat.

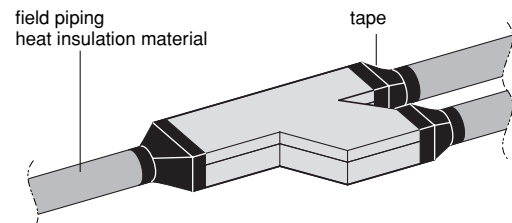
#### ■ Example of connected branch.



#### ■ Use the supplied heat insulation material to insulate the branches against heat.



#### ■ Apply the heat insulation material and seal all connections with tape.



## NOTES